

ABSTRACT OF THE DISCLOSURE

The present invention includes a support having thereon an image forming layer containing at least a water-insoluble and alkali-soluble high-molecular compound and a dissolution inhibitor. The dissolution inhibitor is a compound having a structure represented by the following general formula (1) and having an absorption maximum at a wavelength in a range of 760 nm to 1,200 nm, or an onium salt represented by the following general formula (2).

General formula (1): X^-M^+

In the general formula (1), X^- represents an anion containing at least one substituent having an alkali-dissociating proton; and M^+ represents a counter cation which is an atomic group having an absorption maximum at a wavelength in a range of 760 nm to 1,200 nm.

General formula (2): $X^-M_1^+$

In the general formula (2), X^- represents an anion containing at least one substituent having an alkali-dissociating proton; and M_1^+ represents a counter cation selected from solfonium, iodonium, ammonium, phosphonium, and oxonium.